



Water-Data Report 2006

01407538 MCCLEES CREEK NEAR FAIRVIEW, NJ

SHREWSBURY RIVER BASIN

LOCATION.--Lat 40°23'08.9", long 74°04'20.2" referenced to North American Datum of 1983, Middletown Township, Monmouth County, NJ, Hydrologic Unit 02030104, at bridge on Chapel Hill Road, 130 ft north of intersection of Chapel Hill and Whipperwill Road, 0.2 mi upstream of Haskell Pond, and 1.2 mi northeast of Fairview.

DRAINAGE AREA.--2.50 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2005 to current year.

REMARKS.--Total nitrogen (00600) equals the sum of filtered ammonia plus organic nitrogen (00623), filtered nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570). Bacteria samples were collected synoptically over a 30-day period during the summer.

COOPERATIVE NETWORK SITE DESCRIPTOR: Statewide Status, New Jersey Department of Environmental Protection (NJDEP) Watershed Management Area 12.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJDEP. Bacteria samples were provided by the local county health department under the direction of the NJDEP through the County Environmental Health Act. Determinations of filtered ammonia, filtered orthophosphorus, BOD, total suspended residue, fecal coliform, E. coli, and enterococcus bacteria were performed by the NJ Department of Health and Senior Services.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 5

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Turbdty white light, det ang 90+/-30 corrctd	UV absorb- ance, 254 nm, wat flt units	UV absorb- ance, 280 nm, wat flt units	Baro- metric pres- sure, mm Hg	Dis- solved oxygen, mg/L	Dis- solved oxygen, percent of sat- uration	pH, water, unfltrd field, std units	Specif. conduc- tance, wat unf uS/cm	Temper- ature, air, deg C	Temper- ature, water, deg C
Nov 09...	0900	Environmental	12	.140	.115	767	7.0	64	6.6	281	14.4	11.6
Feb 02...	0950	Field Blank	--	--	--	--	--	--	--	--	--	--
02...	1030	Environmental	5.5	.113	.093	762	8.5	67	6.6	268	3.8	5.3
May 18...	0900	Environmental	12	.147	.120	749	6.9	68	7.1	263	22.4	14.0
Aug 31...	0900	Environmental	7.5	.144	.115	766	6.7	70	6.9	264	18.0	17.7

01407538 MCCLEES CREEK NEAR FAIRVIEW, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

[Remark codes: <, less than; E, estimated.]

Date	Hardness, water, mg/L as CaCO ₃ (00900)	ANC, wat unf						Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus- pended, mg/L (00530)			
		Calcium water, mg/L (00915)	Magnes- ium, water, mg/L (00925)	Potas- sium, water, mg/L (00935)	Sodium, water, mg/L (00930)	fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chlor- ide, water, mg/L (00940)	Fluor- ide, water, mg/L (00950)	Silica, water, mg/L (00955)	Sulfate, water, mg/L (00945)			
Nov 09...	69	20.7	4.21	3.30	21.3	29	45.0	.13	12.7	21.8	149	162	8
Feb 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	56	16.0	3.78	2.49	22.5	21	43.4	.10	10.0	22.0	139	144	8
May 18...	60	17.8	3.87	2.55	20.6	26	42.8	.13	10.2	18.5	136	165	4
Aug 31...	63	19.0	3.85	3.91	18.0	31	39.5	.12	11.2	18.7	136	154	3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

[Remark codes: <, less than; E, estimated.]

Date	Ammonia + org-N, water, filtrd, mg/L as N (00623)	Nitrite Ammonia water, filtrd, mg/L as N (00608)	Partic- ulate nitro- gen, susp, water, mg/L (00631)	Total nitro- gen, water, filtrd, mg/L (49570)	Total nitro- gen, water, unfiltrd mg/L (00602)	Ortho- phosphate, water, filtrd, mg/L as P (00600)	Total nitro- gen, water, filtrd, mg/L (00671)	Phos- phorus, water, unfiltrd mg/L (00666)	Phos- phorus, water, filtrd, mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, filtrd, mg/L (00681)
Nov 09...	2.0	.056	.52	.12	2.5	2.6	E.003	.007	.062	1.0	<.1	1.0	4.2
Feb 02...	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	.69	.126	1.29	.05	2.0	2.0	E.002	.004	.046	.5	<.1	.5	1.9
May 18...	.74	.173	.74	.09	1.5	1.6	E.007	.011	.062	1.1	<.1	1.1	2.5
Aug 31...	.37	.148	.54	.04	.91	.95	E.008	.010	.065	.4	<.1	.4	2.7

01407538 MCCLEES CREEK NEAR FAIRVIEW, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

Date	BOD, water, unfltrd 5 day, 20 degC	Arsenic water, fltrd,	Arsenic water, unfltrd	Barium, water, recover	ium, water, recover	Boron, water, unfltrd	Boron, water, recover	Cadmium water, unfltrd	Chrom- ium, water, recover	Copper, water, unfltrd	Iron, water, unfltrd	Lead, water, fltrd,
	mg/L (00310)	ug/L (01000)	ug/L (01002)	ug/L (01007)	ug/L (01012)	ug/L (01020)	ug/L (01022)	ug/L (01027)	ug/L (01034)	ug/L (01040)	ug/L (01042)	ug/L (01045)
Nov 09...	<1.3	--	--	--	--	41	--	--	--	--	--	--
Feb 02...	--	<.12	--	--	--	--	--	--	<.4	--	--	<.08
02...	<1.0	.45	.47	29.1	.06	31	29	.09	.24	--	.9	1,780
May 18...	<1.0	--	--	--	--	35	--	--	--	--	--	--
Aug 31...	E1.1	.87	1.2	31.9	E.05	45	42	E.03	.24	--	1.1	1,750

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

[Remark codes: <, less than; E, estimated.]

Date	Mangan-			Mercury			Nickel			Silver			Zinc,
	Lead, water, unfltrd recover	ese, water, unfltrd recover	Mercury water, fltrd,	water, unfltrd recover	Nickel, water, fltrd,	water, unfltrd recover	Selen- ium, water, unfltrd recover	water, unfltrd recover	water, unfltrd recover	water, unfltrd recover	water, unfltrd recover	water, unfltrd recover	water, unfltrd recover
	ug/L (01051)	ug/L (01055)	ug/L (71890)	ug/L (71900)	ug/L (01065)	ug/L (01067)	ug/L (01147)	ug/L (01077)	ug/L (01079)	ug/L (01090)	ug/L (01092)		
Nov 09...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 02...	--	--	<.010	--	<.06	--	--	--	--	E.3	--	--	--
02...	.35	114	--	<.010	--	5.33	.14	<.16	--	--	24	--	--
May 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 31...	.24	123	--	<.010	--	3.55	.09	<.16	--	--	10	--	--

01407538 MCCLEES CREEK NEAR FAIRVIEW, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-DB water, water, fltrd, ug/L (39732)	CIAT, 0.7u GF ug/L (38746)	CEAT, water, fltrd, ug/L (04040)	OIET, water, fltrd, ug/L (04038)	Hydroxy carbo-furan, wat flt ug/L (50355)	Aci-fluor-fen, water, fltrd ug/L (49308)	3-Hydroxy furan, water, fltrd ug/L (49315)	Aldi-carb sulfone water, fltrd ug/L (49313)	Aldi-carb sulf-oxide, wat flt ug/L (49314)	Aldi-carb, water, fltrd ug/L (49312)	Atra-zine, water, fltrd ug/L (39632)
May 18...	0900	<.190	<.04	<.02	<.03	<.08	E.004	<.008	<.028	<.02	<.100	<.15	.016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Bendio-carb, water, fltrd, ug/L (50299)	Benomyl, water, fltrd, ug/L (50300)	Bensulfuron-methyl, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF ug/L (38711)	Bromo-cil, water, fltrd, 0.7u GF ug/L (04029)	Bromoxynil, water, fltrd, 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, 0.7u GF ug/L (50305)	Car-baryl, water, fltrd, 0.7u GF ug/L (49310)	Carbo-furan, water, fltrd, 0.7u GF ug/L (49309)	Chlor-amben methyl, water, fltrd, 0.7u GF ug/L (61188)	Chlorimuron, water, fltrd, 0.7u GF ug/L (50306)	Chloro-di-amino-s-triazine, water, fltrd, 0.7u GF ug/L (04039)	Clopyralid, water, fltrd, 0.7u GF ug/L (49305)
May 18...	<.08	<.022	<.02	<.02	<.02	<.04	.030	M	<.016	<.02	<.032	<.04	<.07

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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Date	Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (04031)	Dicamba, water, fltrd, 0.7u GF ug/L (49304)	Di-chlor-prop, water, fltrd, 0.7u GF ug/L (38442)	Dinoseb, water, fltrd, 0.7u GF ug/L (49302)	Diphen-amid, water, fltrd, 0.7u GF ug/L (49301)	Diuron, water, fltrd, 0.7u GF ug/L (04033)	Fenuron, water, fltrd, 0.7u GF ug/L (49300)	Flumet-sulam, water, fltrd, 0.7u GF ug/L (49297)	Fluo-meturon, water, fltrd, 0.7u GF ug/L (61694)	Imaza-quin, water, fltrd, 0.7u GF ug/L (38811)	Imaza-thapyr, water, fltrd, 0.7u GF ug/L (50356)	Imaze-thapyr, water, fltrd, 0.7u GF ug/L (50407)	Imida-cloprid, water, fltrd, 0.7u GF ug/L (61695)
May 18...	<.01	<.03	<.04	<.03	<.04	<.01	<.02	<.10	<.04	<.02	<.04	<.04	<.020

01407538 MCCLEES CREEK NEAR FAIRVIEW, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Linuron water, fltrd 0.7u GF ug/L (38478)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta- laxyl, water, fltrd, 0.7u GF ug/L (50359)	Methio- carb, water, fltrd 0.7u GF ug/L (38501)	Meth- omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul- furon, water, fltrd, 0.7u GF ug/L (61697)	Chloro- phenyl) methyl- urea, water, fltrd 0.7u GF ug/L (61692)	Nico- sul- furon, water, fltrd 0.7u GF ug/L (49294)	Norflur- azin, water, fltrd 0.7u GF ug/L (49293)	Ory- zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	
								N-(4-					
May 18...	<.01	E.01	<.10	<.03	<.034	<.070	<.07	<.04	<.01	<.04	<.02	<.02	<.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

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Date	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Propham water, fltrd 0.7u GF ug/L (49236)	Propi- conazole, water, fltrd, 0.7u GF ug/L (50471)	Pro- poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd 0.7u GF ug/L (38548)	Sulfo- ruron, water, fltrd, 0.7u GF ug/L (50337)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Teba- cil, water, fltrd 0.7u GF ug/L (04032)	Tri- clopyr, water, fltrd 0.7u GF ug/L (49235)		
					Sulfo- ruron, water, fltrd 0.7u GF ug/L (50337)						
May 18...	<.03	<.030	<.01	<.008	E.01	<.090	<.026	<.026	<.03		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Time	Enter- occi, m-E		E coli, m-TEC		Fecal coli- form, ECbroth	
		Temper- ature, water, deg C (00010)	100 mL (31649)	MF, water, col/ col/	MF, water, col/ col/	100 mL (31633)	100 mL (31615)
Jun							
15...	1030	19.0	220	310	300		
22...	1045	19.0	300	350	1,100		
Jul							
13...	1055	20.6	8,600	2,000	16,000		
20...	1048	21.4	120	200	80		
27...	1055	21.5	280	80	1,100		